

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number
WO 2004/019620 A1

- (51) International Patent Classification⁷: H04N 9/24
- (21) International Application Number: PCT/IB2003/003294
- (22) International Filing Date: 21 July 2003 (21.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 02078497.1 23 August 2002 (23.08.2002) EP
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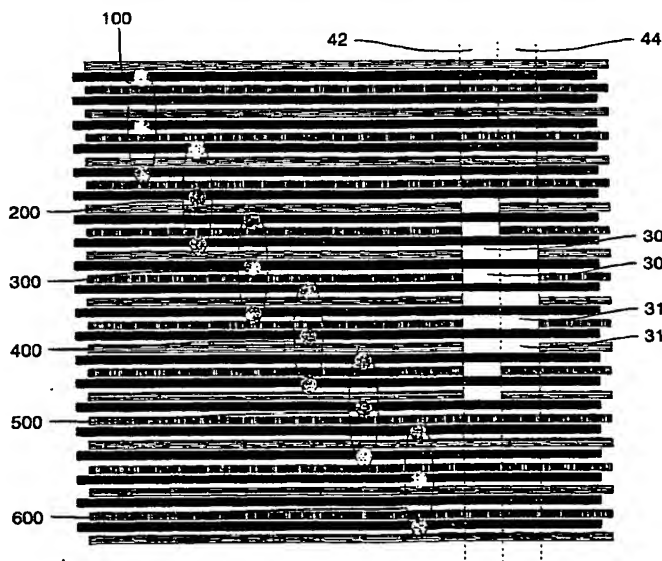
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH,

[Continued on next page]

(54) Title: INDEX TUBE WITH TRACKING STRUCTURES



(57) Abstract: The invention is related to a cathode ray tube of the index type (1). Tracking elements (16,18) from a tracking structure flank, preferably above and below each phosphor element (20), being provided on an inner surface of a screen (10). A tracking signal that is derived from response signals from the tracking elements, is used to keep the electron beam (7,8,9) on the right phosphor element. In the index tube according to the invention a part of the tracking lines is provided with gaps (30, 30'). The gaps generate an interruption in the tracking signal. This interruption can inter alia be used to derive the precise position of the electron beam (7,8,9) on the screen (10), especially during the start-up phase of the tube.

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Published:

— with international search report

INTERNATIONAL SEARCH REPORT

PCT/IB 03/03294

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N9/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 800 072 A (LEJON J) 26 March 1974 (1974-03-26) column 21, line 44 -column 23, line 52 -----	1
A	WO 00 38212 A (KONINKL PHILIPS ELECTRONICS NV) 29 June 2000 (2000-06-29) abstract; figures 1-4 -----	1
A	US 4 635 106 A (SHINKAI KINYA) 6 January 1987 (1987-01-06) abstract; figure 1 -----	1
A	PATENT ABSTRACTS OF JAPAN vol. 010, no. 158 (E-409), 6 June 1986 (1986-06-06) & JP 61 013789 A (SONY KK), 22 January 1986 (1986-01-22) abstract -----	1

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Patent family members are listed in annex.

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Date of the actual completion of the international search

18 November 2003

Date of mailing of the international search report

02/12/2003

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PCT/IB/03294

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